

## **ABSTRACT**

For a hard disk drive divided into a user area that is an area operating in a user environment, and a host protected area that is an area protected from a user, provided are: a basic input/output system which supports a boot from the host protected area as well as supports a validation, for a system vendor authentication, of a Protected Area Run Time Interface Extension Services application stored in the host protected area; and a Protected Area Run Time Interface Extension Services application access module which generates a virtual Protected Area Run Time Interface Extension Services application area by copying the Protected Area Run Time Interface Extension Services application onto an unoccupied area of a memory.